Index of Claims

| Application/C | Control No. |
|---------------|-------------|
|---------------|-------------|

Applicant(s)/Patent under Reexamination

10/802,712

Examiner

BRUMBACH ET AL.

Art Unit

Mary Kate B. Baran

2857

Rejected Allowed

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| z | Non-Elected |
|---|--------------|
| _ | Interference |

| Α | Appeal |
|---|----------|
| 0 | Objected |

| Claim | | | | | | | | | | | | | | | | | | | |
|--|-------|--------------|--------------|--------------|----------|--------------------|--------------|----------|--|--|----|--------------|------|--------------|----------|----------------|----------|----------|--|
| Te Fe Fe Fe Fe Fe Fe Fe | Claim | Date | | | | | | | | Cla | im | | Date | | | | | | |
| 2 | | 6/25/05 | | | | | | | | | | | | | | | | | |
| 2 | 1 | V | | | | | | | | | | | 51 | | | | | | |
| 3 | 2 | V | | | | | | | | | i | | 52 | | | | | | |
| 5 | 3 | | | | | | | | | | | | | | | | | | |
| Section Sect | 4 | | | | | | | | | | | | 54 | | | | | | |
| T | | | | | | | | | | | | | | | | <u> </u> | | | _ |
| S | | | | | | | _ | _ | | | | | | | | _ | | | |
| 9 V | | | | ļ | | _ | _ | _ | _ | | | | | | _ | | | | _ |
| 10 | | | | | | | | | | | | | | | | | | _ | <u> </u> |
| 11 | | | | | | | <u> </u> | | | | | ļ <u>.</u> | | | | | | | <u> </u> |
| 12 \(\) | | | | | | | <u> </u> | <u> </u> | | | | | | | | _ | _ | | H |
| 13 V | | | <u> </u> | _ | | L | <u> </u> | <u> </u> | | | | | | \vdash | | | | _ | |
| 14 √ 15 √ 16 √ 17 √ 18 √ 19 √ 20 √ 21 √ 22 √ 23 √ 24 √ 25 √ 26 76 27 77 28 78 29 79 30 80 31 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 44 95 46 96 47 97 48 98 | | | - | | - | H | <u> </u> | | | | | | | | | | | | - |
| 15 | | | - | | | - | | \vdash | | | | | | \vdash | _ | | \vdash | | |
| 16 | 14 | | - | | | - | - | \vdash | | | | | | | | H | | | |
| 17 | | | - | | | - | | - | | | | | | | | | - | | |
| 18 √ 19 √ 20 √ 21 √ 21 √ 22 √ 23 √ 24 √ 25 √ 26 76 27 77 28 78 29 79 30 80 31 81 32 83 33 83 34 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 94 44 94 45 96 46 96 47 97 48 99 | | | | | - | - | \vdash | \vdash | | \vdash | | | | | | \vdash | - | _ | |
| 19 V | | | | - | | | \vdash | | \vdash | \vdash | | | | | _ | | | | |
| 20 | 19 | | | | - | ├─ | | \vdash | | \vdash | | | | | | | _ | _ | |
| 21 √ 71 22 √ 72 23 √ 73 24 √ 74 25 √ 75 26 76 77 28 79 78 29 79 80 30 81 82 33 83 83 34 84 85 35 85 85 36 86 86 37 87 88 39 90 90 41 91 91 42 92 93 43 94 94 44 94 94 45 96 96 47 97 98 48 99 99 | | | | \vdash | - | - | _ | - | \vdash | H | | | | | | | | | |
| 22 √ 72 23 √ 73 24 √ 74 25 √ 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | 21 | | | | | \vdash | | _ | - | _ | | | | | | | | | Г |
| 23 √ 73 24 √ 74 25 √ 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | | \vdash | | | | | | \vdash | | | | 72 | | _ | \vdash | | | |
| 24 √ 74 25 √ 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | 23 | | | _ | | | | | | | | | | | | | | | |
| 25 √ 26 76 27 77 28 78 29 80 30 81 31 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | | 1 | | | | | | | | | | | | | | | | | |
| 27 28 77 28 78 79 30 80 81 31 82 83 33 84 85 36 86 86 37 87 88 39 89 90 41 91 91 42 92 93 43 94 94 45 96 96 47 97 98 49 99 99 | 25 | 1 | | | | | | | | | | | | | | | | | |
| 27 28 77 28 78 79 30 80 81 31 82 83 33 83 84 35 85 86 37 87 88 39 89 90 41 91 91 42 92 93 43 94 94 45 96 96 47 97 98 49 99 99 | 26 | | | | | | | | | | | | 76 | | | | | | |
| 29 79 30 80 31 81 32 82 33 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | | | | | | | | | | | | | | | | | <u> </u> | | |
| 30 | 28 | | | | | | | | L | | | | | | <u> </u> | <u> </u> | | | |
| 31 81 32 83 33 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 49 99 | 29 | <u> </u> | | | | | | | L | _ | | | | _ | <u> </u> | | | | |
| 32 82 33 84 35 85 36 86 37 87 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | | <u> </u> | | <u> </u> | | | | | | | | | | <u> </u> | | <u> </u> | | | |
| 33 83 34 84 35 85 36 86 37 87 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | <u> </u> | | | _ | _ | _ | <u> </u> | | | | | | <u> </u> | _ | <u> </u> | | <u> </u> | _ |
| 34 84 35 85 36 86 37 87 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | 32 | 1 | <u> </u> | _ | _ | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | | | | | L | — | <u> </u> | | ⊢ |
| 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 1 | _ | <u> </u> | - | <u> </u> | _ | _ | _ | <u> </u> | | | | | | - | \vdash | <u> </u> | ⊢ |
| 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | 34 | - | ⊢ | <u> </u> | <u> </u> | _ | | ├_ | _ | | | | | ├ | _ | - | ┝ | ⊢ | ⊢ |
| 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | \vdash | 1 | \vdash | \vdash | - | | - | \vdash | - | 1 | <u> </u> | | ├ | ├- | | ┢ | - | - |
| 38 88 39 90 40 91 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | +- | \vdash | \vdash | \vdash | \vdash | - | - | - | | 1 | <u> </u> | | - | - | - | - | - | \vdash |
| 39 | | +- | ├ | - | \vdash | \vdash | \vdash | \vdash | - | ├- | 1 | | | \vdash | \vdash | | \vdash | \vdash | - |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | \vdash | ├- | | \vdash | \vdash | \vdash | \vdash | \vdash | - | ł | | | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | + | | | - | - | | \vdash | \vdash | ┢ | ł | | | | | | | - | H |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | + | ┢ | | | | \vdash | \vdash | | | 1 | | | | | t | | | t |
| 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | † | | | | Н | ┢ | | | ┪ | 1 | | | | \vdash | | | | <u> </u> |
| 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | Г | \vdash | 1 | | Г | 1 | 1 | | | Г | | | | | |
| 45 | | 1 | | Г | | Г | 1 | T | - | Γ | 1 | | | | | | | | |
| 46 | 45 | | | | | | | | | |] | | 95 | | | | | | |
| 47 97 98 98 99 99 99 99 99 99 99 99 99 99 99 | 46 | $oxed{\Box}$ | | | | | | | | |] | | 96 | | | | | | |
| 49 99 99 | 47 | | | | | | | | | | | | | | L | | | 匚 | |
| | | | \Box | | | $oxedsymbol{oxed}$ | | | 匚 | $oxedsymbol{oxedsymbol{oxedsymbol{oxed}}}$ |] | L | | | | | | | \perp |
| 1, 150 1 1 1 1 1 1400 1 1 1 | | | | | <u> </u> | <u> </u> | _ | <u> </u> | | <u> </u> | 1 | L | | _ | L | _ | | | L |
| | · 50 | | | | | <u> </u> | | L | <u> </u> | | J | | 100 | L | _ | | <u> </u> | L., | L |

| | Final | Original | | | | | | | | | |
|---|-----------|----------------|--------------|--|--------------|--------------|----------|--------------|--|----------|--|
| Ì | | 51 | | | | | | | | | |
| Ì | - | 51 52 | | | | | - | | | | |
| İ | | 53 | | _ | | | _ | | | | |
| Ì | | 54 | | | | | | | | | |
| Ì | | 54 55 | | | | | | | | | |
| Ì | | 56 57 | | | | | | | | | |
| Ì | | 57 | | | | | | | | | |
| Ī | | 58 | | | _ | | | | | | |
| ĺ | | 59 | | | | | | | | | |
| Ī | | 60 | | | | | | | | | |
| | | 61 | | | | | | | | | |
| | | 62 63 | | | | | | | | | |
| | | 63 | | | | | | | | | |
| [| | 64 | | | | | | | | | |
| | | 65 | | | | | | | | | |
| | | 66 | | | | L | | | | | |
| 1 | | 67 | | | | <u></u> | _ | | | | |
| l | | 68 | | | | _ | | | | | |
| Į | | 69 | | | | | | | | | |
| ļ | | 70 71 72 | | | L. | | | | _ | | |
| Į | | 71 | | | L | | | | | | |
| ١ | | 72 | | | | L | | | | | |
| ļ | | 73 | | | <u> </u> | | | <u> </u> | | | |
| ļ | | 73 74 75 | | _ | _ | _ | | $oxed{oxed}$ | _ | | _ |
| | | 75 | | | _ | _ | | L. | | L | <u> </u> |
| | | 76 77 | | _ | | L | | | | <u> </u> | _ |
| 1 | | 77 | | _ | _ | ļ | _ | | _ | <u> </u> | ļ |
| | | 78 79 | | <u> </u> | L | <u> </u> | | | | <u> </u> | <u> </u> |
| I | | 79 | _ | <u> </u> | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | | 80 | _ | <u> </u> | <u> </u> | | _ | _ | _ | <u> </u> | <u> </u> |
| | | 81 | _ | _ | _ | | _ | _ | ļ | | <u> </u> |
| | | 82 | | \vdash | | <u> </u> | - | <u> </u> | | <u> </u> | |
| l | | 83 | | | \vdash | | <u> </u> | <u> </u> | | | |
| | | 84 | ├ | <u> </u> | - | ⊢ | - | <u> </u> | | \vdash | \vdash |
| | | 85 | | | ├ | | - | - | - | | - |
| | | 86 | - | ├─ | - | - | - | - | - | | - |
| | | 87 88 | - | \vdash | - | \vdash | - | | ├- | \vdash | - |
| | | 89 | \vdash | - | \vdash | \vdash | | \vdash | | \vdash | \vdash |
| | | 90 | - | \vdash | <u> </u> | \vdash | \vdash | 1 | — | - | \vdash |
| | | 91 | | \vdash | ╁╌ | 1 | - | \vdash | - | ├─ | \vdash |
| | | 92 | \vdash | - | \vdash | \vdash | - | + | - | \vdash | - |
| | | 93 | \vdash | - | | - | \vdash | | | \vdash | - |
| | | 94 | - | | - | - | \vdash | | t | \vdash | \vdash |
| | | 95 | \vdash | - | +- | - | \vdash | | | - | |
| | | 96 | \vdash | | t | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash |
| | | 97 | \vdash | - | \vdash | H | \vdash | \vdash | | \vdash | |
| | | 98 | t | - | t | \vdash | \vdash | \vdash | | \vdash | \vdash |
| j | - | 99 | Ι- | \vdash | | Н | \vdash | \vdash | \vdash | \vdash | 一 |
| | | 100 | 1 | \vdash | 1 | | \vdash | 1 | | | <u> </u> |

| Cli | aim | | _ | | Г | Date | • | | | |
|-------|---|--------------|--|--|----------------|--|----------------|------------|--------------|-----------------|
| | | | | | | | | | | \neg |
| = | Original | | | | | | | | | |
| Final | gi | | | | | | | | | 1 |
| ш | ő | | | | | | | - 1 | | |
| | | | | | | | | | | |
| | 101 102 | | | | | | | | | |
| | 102 | | | | | | | | | |
| | 103 | | | | | | | | | |
| | 103 104 105 | | | | | | | | | |
| | 105 | | | | | | | | | |
| | 106 | | | | | | | | | |
| | 106 107 108 | | | | | | | | | |
| | 108 | | | | | | | | | |
| | 109 110 | | | | | | | | | |
| | 110 | | | | | | | | | |
| | 111 | | | | | | | | | |
| | 112 | h | | | \vdash | _ | _ | | | \Box |
| | 113 | \vdash | | | \vdash | | - | | | \vdash |
| | 114 | \vdash | | | \vdash | | - | - | | \vdash |
| | 115 | | | | \vdash | | | | | \vdash |
| | 116 | \vdash | | | \vdash | | - | \vdash | \vdash | \vdash |
| | 111 112 113 114 115 116 117 118 119 | \vdash | | \vdash | - | | - | | \vdash | \vdash |
| | 110 | \vdash | | \vdash | - | - | H | H | H | Н |
| | 110 | | | - | | ⊢ | - | | \vdash | - |
| | 119 | | | \vdash | - | | - | | \vdash | \dashv |
| | 120 | - | | - | ┝ | - | | | - | H |
| | 121 | _ | | | <u> </u> | | _ | | | \vdash |
| | 122 | | | | <u> </u> | | | | <u> </u> | - |
| | 120 121 122 123 124 | _ | | _ | <u> </u> | _ | | | | Щ |
| | 124 | | | _ | _ | | | | _ | |
| | 125 126 127 | | | _ | L | | _ | <u> </u> | | ш |
| | 126 | | | <u>Ļ</u> . | | _ | | _ | | Щ |
| | 127 | <u> </u> | | | | | _ | | _ | |
| | 128 | | | <u></u> | | _ | | | <u> </u> | |
| | 129 | _ | | | | L | <u> </u> | | | \sqcup |
| | 130 | | | L_ | | | | | L | |
| | 128 129 130 131 132 133 134 | | | | | \Box | _ | | \Box | |
| | 132 | | | | | | | | | |
| | 133 | | | | L | Ĺ | L | L | L | |
| | 134 | | | | | | | | L | |
| | 135 | | | | | | L | L | | |
| | 136 137 | | | | | | | | | |
| | 137 | | | | | <u> </u> | Π | | | |
| | 138 | | | | П | | | | | П |
| | 139 | | Г | Г | Г | | <u> </u> | Π | | \Box |
| | 139 140 | | | | 1 | Г | 1 | | | П |
| | 141 | | | | \vdash | | \vdash | 1 | | Н |
| | 142 | | <u> </u> | | \vdash | T | \vdash | \vdash | _ | Н |
| | 143 | \vdash | - | 1 | 1 | t | | | 1 | H |
| | 144 | \vdash | | ┢ | \vdash | \vdash | - | 1 | | Н |
| | 145 | | - | \vdash | ₩ | \vdash | \vdash | \vdash | | Н |
| | 145 | | \vdash | \vdash | - | ├ | ╁╾ | | - | Н |
| | | - | - | - | ├ | ├ | ├ | ├- | ├─ | $\vdash \dashv$ |
| | 147 | - | — | Ь. | ├- | ├- | ├ | ├ ─ | - | \vdash |
| | 148 | <u> </u> | ļ | ļ | | | <u> </u> | | 1 | \vdash |
| | 149 | <u> </u> | <u> </u> | <u> </u> | ↓_ | <u> </u> | \vdash | <u> </u> | \vdash | Ш |
| | 150 | <u>L</u> | <u>L</u> | L_ | | <u>L</u> | Ш, | <u> </u> | | Ш |